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Sequence Compliance

This application contains sequence disclosures that are encompassed by the definitions

for nucleotide and/or amino acid sequences set forth in 37 CFR § 1.821(a)(1) and (a)(2).

However, this application fails to comply with the requirements of 37 CFR §§ 1.821 through

1.825 for the reason(s) set forth on the attached Notice To Comply With Requirements For Patent

Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures.

APPLICANT IS GIVEN A ONE MONTH EXTENDABLE PERIOD WITHIN WHICH

TO COMPLY WITH THE SEQUENCE RULES, 37 CFR §§ 1.821 - 1.825. Failure to comply

with these requirements will result in ABANDONMENT of the application under 37 CFR

§1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension

fee under the provisions of 37 CFR § 1.136. In no case may an applicant extend the period for

response beyond the six month statutory period. Applicant is requested to return a copy of the

attached Notice to Comply with the response.

Please direct all replies to the United States Patent and Trademark Office via one (1) of

the following:

1. Electronically submitted through EFS-Bio

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401 Dulany Street Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to MINH-TAM DAVIS whose telephone number is 571-272-0830.

The examiner can normally be reached on 9:00 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, LARRY HELMS can be reached on 571-272-0832. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

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like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MINH TAM DAVIS

November 5, 2009

/Larry R. Helms/

Supervisory Patent Examiner, Art Unit 1643